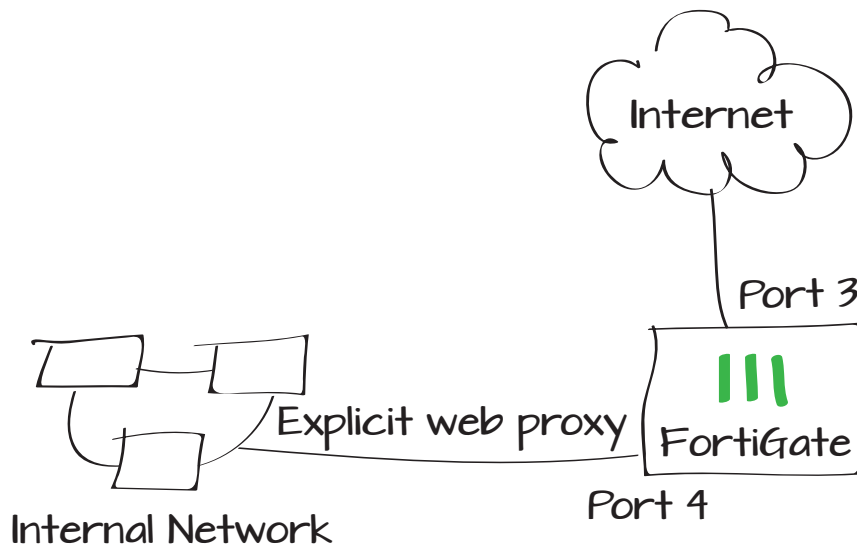


Setting up an explicit proxy for users on a private network

In this example, an explicit web proxy is set to accommodate faster web browsing. This allows internal users to connect using port 8080 rather than port 80.

1. Enabling explicit web proxy on the internal interface
2. Configuring the explicit web proxy for HTTP/HTTPS traffic
3. Adding a security policy for proxy traffic
4. Results



Enabling explicit web proxy on the internal interface

Go to **System > Network > Interfaces**.

Edit an internal port (port 4 in the example).
Enable both **DHCP Server** and **Explicit Web Proxy**.

Go to **System > Config > Features**. Ensure that **WAN Opt. & Cache** is enabled.

Name

port4 (00:09:0F:4E:0E:C2)

Alias

Internal Interface

Link Status

Down

Type

Physical Interface

Addressing mode

Manual

DHCP

PPPoE

One-Arm Sniffer

Dedicate to

IP/Network Mask

10.10.1.99/255.255.255.0

Administrative Access

☒ HTTPS

☒ PING

☐ HTTP

☐ FMG-Access

☒ SSH

☐ SNMP

☐ TELNET

☐ FCT-Access

DHCP Server

☒ Enable

Address Range

Create New

Edit

Delete

Starting IP	End IP
10.10.1.100	10.10.1.200

Netmask

255.255.255.0

Default Gateway

Same as Interface IP

Specify

DNS Server

Same as System DNS

Specify

Advanced...

Security Mode

None

Device Management

Detect and Identify Devices

☐

Enable Explicit Web Proxy

☒

Listen for RADIUS Accounting Messages

☐

Secondary IP Address

☐

Comments

Write a comment...

0/255

Administrative Status

Up

Down

Basic Features

Advanced Routing

ON

IPv6

ON

WAN Opt. & Cache

ON

WiFi Controller



ON

Configuring the explicit web proxy for HTTP/HTTPS traffic

Go to **System > Network > Explicit Proxy** and enable the HTTP/HTTPS explicit web proxy.

Ensure that the **Default Firewall Policy Action** is set to **Deny**.

▼ Explicit Web Proxy Options

Enable Explicit Web Proxy	<input checked="" type="checkbox"/> HTTP / HTTPS <input type="checkbox"/> FTP <input type="checkbox"/> PAC
Listen on Interfaces	port4 
HTTP Port	<input type="text" value="8080"/>
HTTPS Port	<input type="text" value="0"/> (0 to use HTTP port)
FTP Port	<input type="text" value="0"/> (0 to use HTTP port)
PAC Port	<input type="text" value="0"/> (0 to use HTTP port)
PAC File Content	
Proxy FQDN	<input type="text" value="default.fqdn"/>
Max HTTP request length	<input type="text" value="4"/> Kb
Max HTTP message length	<input type="text" value="32"/> Kb
Unknown HTTP version	<input type="text" value="Best Effort"/>
Realm	<input type="text" value="default"/>
Default Firewall Policy Action	<input type="radio"/> Accept <input checked="" type="radio"/> Deny

Adding a security policy for proxy traffic

Go to **Policy > Policy > Policy**.

Create a new policy and set the **Incoming Interface** to **web-proxy**, the **Outgoing Interface** to an internal port (in the example, port 3), and the **Service** to **webproxy**.

Results

Configure web browsers on the private network to connect using a proxy server. The IP address of the HTTP proxy server is 10.10.1.99 (the IP address of the FortiGate internal interface) and the port is 8080 (the default explicit web proxy port). Web browsers configured to use the proxy server are able to connect to the Internet.

Go to **Policy > Policy > Policy** to see the ID of the policy allowing webproxy traffic.

Web proxy traffic is not counted by security policy.

Policy Type

Policy Subtype

Incoming Interface

Source Address

Outgoing Interface

Destination Address

Schedule

Service

Action

☒ Firewall

☐ VPN

☒ Address

☐ User Identity

☐ Device Identity

web-proxy

all

port3

all

always

webproxy

ACCEPT

Logging Options

☐ No Log

☐ Log Security Events

☒ Log all Sessions

☐ Web Proxy Forwarding Server

Click to set...

Security Profiles

OFF

AntiVirus

OFF

Web Filter

OFF

Application Control

OFF

IPS

OFF

DLP Sensor

OFF

SSL/SSH Inspection

default

default

default

default

default

default

Create NewEditDelete

Section ViewGlobal View

Seq.#	ID	Source	Destination	Service	Action	Log	Count
▶ port4 (Internal Interface) - port3 (External Interface) (1 - 2)							
▼ web-proxy - port3 (External Interface) (3 - 3)							
3	3	LAN	all	webproxy	ACCEPT	<input checked="" type="checkbox"/>	0 Packets / 0 B
▶ Implicit (4 - 4)							